Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB, RsGsBs
Input level	3 V to 5 Vp-p
Output level	TTL: 5 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	50 ohms
Max. propagation delay	60 ns
Max. rise/fall time	4 ns
Polarity	Positive or negative

General

External power supply	100 VAC to 240 VAC, 50/60 Hz, 4.5 watts, external, autoswitchable; to 9 VDC, 1 A, regulated
Power input requirements	9 VDC, 0.2 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	No
Enclosure type	Plastic
Enclosure dimensions	1.4" H x 5.0" W x 3.3" D 3.6 cm H x 12.7 cm W x 8.4 cm D (Depth excludes connectors.)
Product weight	1.6 lbs (0.7 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*

Extron® Electronics
INTERFACING, SWITCHING AND DISTRIBUTION

User's Guide

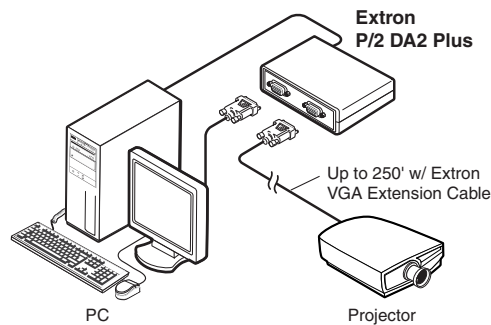## P/2 DA2 Plus
Distribution Amplifier

Installation

Description

The P/2 DA2 Plus is a one input, two output distribution amplifier that accepts video input from a VGA-UXGA compatible PC and distributes that signal to separately buffered outputs. Each output can be extended with Extron MHR cables up to 250' in length.
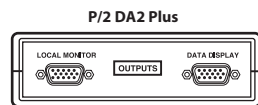
An example of a typical installation is shown in the following diagram.

Installation

1. Power off the computer and its local monitor.

2. Connect the computer's VGA output to the input cable of the distribution amplifier.

3. Connect the computer's monitor to the "Local Monitor" output of the distribution amplifier.

4. Connect an LCD panel, a VGA-UXGA monitor, or a projector to the other output.

5. Connect power to the distribution amplifier.

6. Power on the local monitor, the computer, and display device.

Operation

After the distribution amplifier and its connected devices are powered up, the system is fully operational. If any problems are encountered, verify that the cables are routed and connected properly.

Cables

Description	Part number
M6' MHR cable — 6' (1.8 m)	26-238-01
M15' MHR cable — 15' (4.5 m)	26-238-02
M50' MHR cable — 50' (15.2 m)	26-238-18
M75' MHR cable — 75' (22.8 m)	26-238-19
M100' MHR cable — 100' (30.4 m)	26-238-20
SY VGAM-RGBHVM — 6' (1.8 m)	26-533-02
SY VGAM-RGBHVM — 25' (7.6 m)	26-533-04
SY VGAM-RGBHVM — 50' (15.2 m)	26-533-06
SY VGAM-RGBHVM — 100' (30.4 m)	26-533-07

Specifications

Video

Gain .... Unity
Bandwidth .... 270 MHz (-3 dB), fully loaded

Video input

Number/signal type .... 1 VGA-UXGA RGBHV, RGBS, RGsB, RsGsBs
Connectors .... (1) 15-pin HD male cable (built-in)
Nominal level .... 0.7 Vp-p for RGB
Minimum/maximum levels ...... Analog: 0.4 V to 1.4 Vp-p with no offset at unity gain
Impedance .... 75 ohms
Horizontal frequency .... 15 kHz to 135 kHz
Vertical frequency .... 30 Hz to 170 Hz
Return loss .... <-38.3 dB @ 5 MHz

Video output

Number/signal type .... 2 VGA-XGA RGBHV, RGBS, RGsB, RsGsBs
Connectors .... (2) 15-pin HD female
Nominal level .... 0.7 Vp-p for RGB
Minimum/maximum levels ...... 0.4 V to 1.4 Vp-p
Impedance .... 75 ohms
Return loss .... -41 dB @ 5 MHz
DC offset .... ±5 mV maximum with input at 0 offset